HEATEC® EHI ELECTRIC HEATERS

PROCESS HEATERS

ASTEC™

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EHI is the industrial brand of packaged electric heaters from Astec. Heat is generated by electrical current flowing through sheaved resistive elements inside a heating chamber. The material being heated comes into direct contact with hot surfaces of the resistive elements. The elements are bundled for easy removal. The current is controlled by a Semi-conductor Controlled Rectifier (SCR). Some benefits of an electric heater include:

- Watt density design can be tailored to all fluids no matter their sensitivity or aggressiveness
- No fuel required
- Heat on demand with no combustion gas purge time
- No flue gas condensation concerns
- No emissions
- Extreme process turn-down
- Compact design

APPLICATIONS

- Power Generation Plants
- Compressor Stations
- Well-Heads
- Offshore Platforms
- Refineries
- City Gates
- Fuel Gas Conditioning
- Crude Oil Treatment

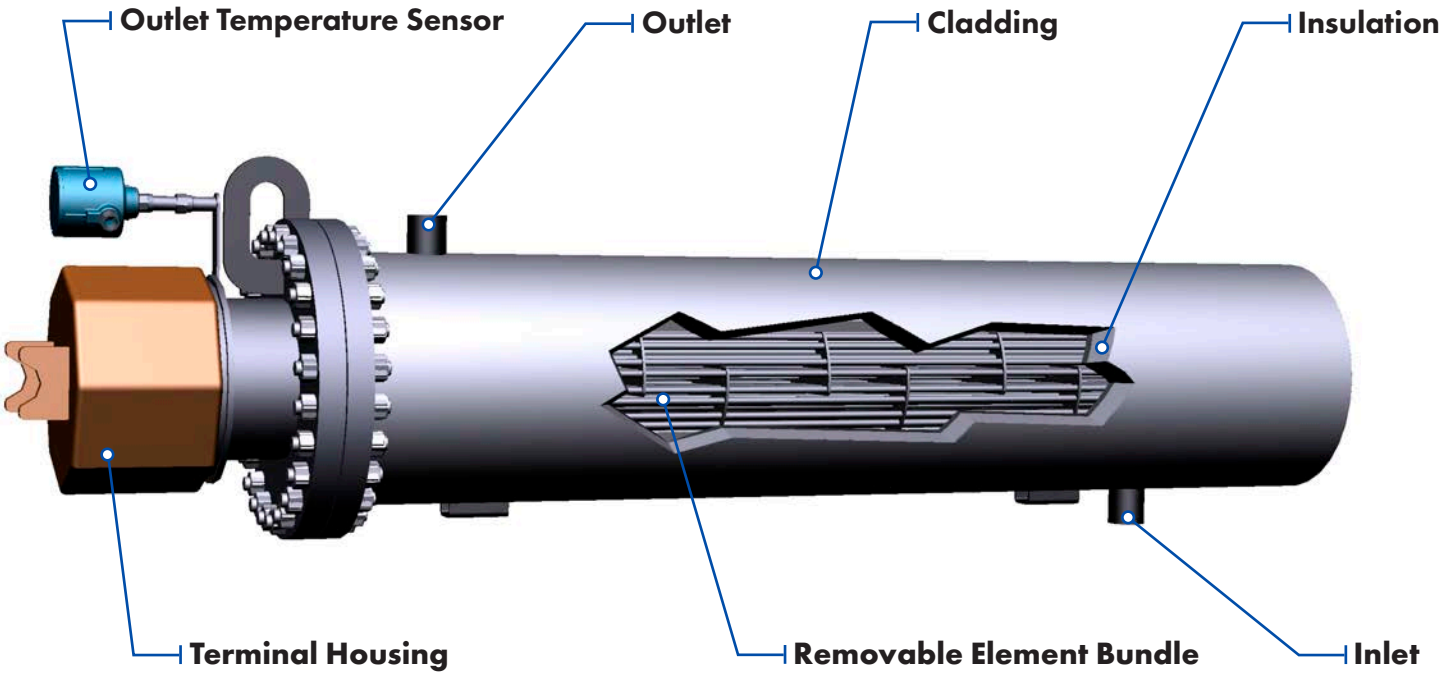
SERVICE AND SUPPORT

We back our products with 24/7 support from our in-house parts and service departments. Our engineers and sales staff are available for project consultation, and our factory-trained service technicians can install and setup your new Heatec EHI Electric heater for you.

DESIGN AND FEATURES

EHI heaters consist of a head, electric elements, baffles, and a shell. The electric elements protrude from and are wired in the head. The elements and baffles are enclosed in the shell. Closed loop systems are packaged with pumps, valving, and an expansion tank. Additional features include:

- Electric elements are typically sheathed in carbon steel stainless steel, or Inconel
- The shell is typically rated to ASME Section VIII, Division 1
- The shell is externally insulated and wrapped with naked or panted aluminum
- Flanged electric element is removable
- The unit can be vertical or horizontal
- Shell can be kettle style for process vaporization or reboiling
- Flanged element can be inserted directly into a tank



CUSTOMIZATION/UPGRADES

- PLC with DCS or SCADA integration
- Recon@ monitoring system
- Extreme cold weather design
- Multiple units in parallel and/or series
- A chiller and control valves can be packaged for zone heatin/cooling
- SCR can be removed for on/off or zone heating
- Configurable for use in hazardous areas per FM, NEC, CSA, ATEX, IECEx, and GOST requirement

ELECTRICAL POWER

EHI heaters can be configured to operate on electrical power provided by electrical utilities throughout the world. Our standard configuration of electrical power is for 3-phase, 480 volt, 60 hertz alternating current. Some users may need to increase available demand from their utility, depending on the wattage of their heater.

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www.astecindustries.com

Rev. 9/21